

Customer No.: 31561
Application No.: 10/710,663
Docket No.: 12262-US-PA

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AMENDMENTS

To the Claims:

Claim 1 (currently amended) A heat transfer device for transferring a heating source from a heating device, said heat transfer device comprising:

an evaporator, said evaporator comprising:

a first hollow tube;

a porous core mortised inside said first hollow tube and having a first end and a second end opposite to said first end. wherein the porous core has a fluid channel therein and extending along a direction from said first end to said second end, and said fluid channel is open at said first end and is close at said second end;

a second hollow tube, wherein a part of said first hollow tube is mortised and secured inside said second hollow tube, ~~and~~ the other part of said first hollow tube is exposed outside said second hollow tube, said second hollow tube has a fluid reservoir therein, and said fluid reservoir is located between said second hollow tube and said first end of said porous core and communicates with said fluid channel through an opening at said first end;

a connecting pipe connected to said evaporator, said connecting pipe being used for containing a working fluid; and

a condenser on said connecting pipe.

Claim 2 (previously presented) The device of claim 17, wherein said heat conductor comprises:

a first heat conducting block having a heat conducting tenon; and

Customer No.: 31561
Application No.: 10/710,663
Docket No.: 12262-US-PA

a second heat conducting block having a mortise corresponding to said tenon, said heat conducting tenon being inserted into said mortise so that said first and second heat conducting blocks cover said evaporator.

Claim 3 (original) The device of claim 2, wherein the height of said tenon is smaller than the depth of said mortise.

Claim 4 (cancelled)

Claim 5 (original) The device of claim 1, further comprising a vapor channel between said first hollow tube and said porous core, said vapor channel being connected to said connecting pipe.

Claim 6 (original) The device of claim 1, wherein said first hollow tube has a closed end, said closed end having a first surface, said first surface having a first hole, said connecting pipe having an end connected to said first hole to connect said first hollow tube.

Claim 7 (original) The device of claim 1, wherein said second hollow tube has a closed end, said closed end having a second surface, said second surface having a second hole, said connecting pipe having an end connected to said second hole to connect said second hollow tube.

Customer No.: 31561
Application No.: 10/710,663
Docket No.: 12262-US-PA

Claims 8-16 (cancelled)

Claim 17 (previously presented) The device of claim 1, further comprising a heat conductor covering said evaporator, wherein said heat conductor is on said heating device.